

Title (en)

CATALYST AND PROCESS FOR SIMULTANEOUS HYDROTREATING AND HYDRODEWAXING OF HYDROCARBONS

Publication

EP 0044965 B1 19861230 (EN)

Application

EP 81105176 A 19810703

Priority

- US 17286880 A 19800728
- US 26724781 A 19810526

Abstract (en)

[origin: EP0044965A1] Catalyst and process for simultaneously hydrotreating and hydrodewaxing hydrocarbons for the catalytic treatment of hydrocarbons in the presence of hydrogen, and under conditions of elevated temperature and pressure, by way of providing catalyst compositions and process conditions for selectively hydrocracking the waxy paraffins and substantially reducing organosulfur and organonitrogen compounds in hydrocarbon feedstocks. The catalyst composition comprises a group VI-B metal component on a support essentially consisting of a porous refractory oxide and a crystalline silica.

IPC 1-7

B01J 29/02; **C10G 45/60**

IPC 8 full level

B01J 23/85 (2006.01); **B01J 29/035** (2006.01); **C10G 45/12** (2006.01); **C10G 45/64** (2006.01); **C10G 65/04** (2006.01)

CPC (source: EP US)

B01J 23/85 (2013.01 - EP US); **B01J 29/035** (2013.01 - EP US); **C10G 45/12** (2013.01 - EP US); **C10G 45/64** (2013.01 - EP US); **C10G 65/043** (2013.01 - EP US); **C10G 2300/70** (2013.01 - EP US)

Citation (examination)

- EP 0030784 A1 19810624 - MOBIL OIL CORP [US]
- GB 2027742 A 19800227 - MOBIL OIL CORP
- EP 0038140 A1 19811021 - MOBIL OIL CORP [US]
- Olsen et al. Journal of Catalysis 61, p. 390-396 (1980)"Chemical & Physical Properties of ZSM-5 substitutional series"

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